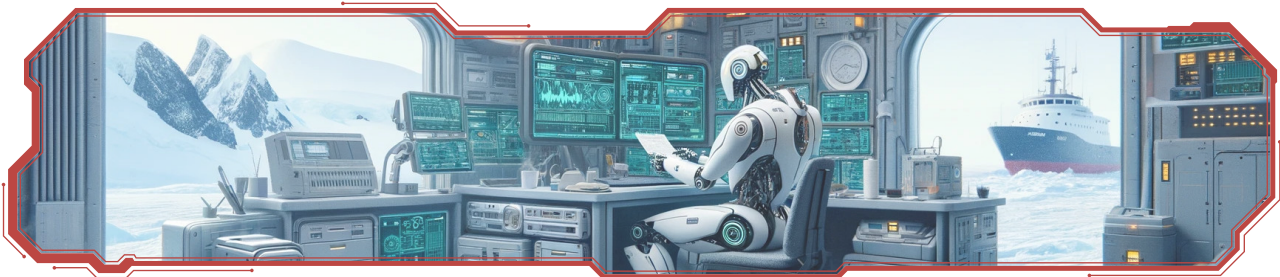


SPP 1158 TOPIC WORKSHOP ON REPRODUCIBLE CODING

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2025-01-17



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Dear SPP 1158 community,

I would like to announce that the registration for the Topic Workshop on Reproducible Coding is now open until the end of February:

The workshop will span **two and a half days** on the **2025-05-26 – 2025-05-28** (Mo – Wed), and the **location** will be the Waldhotel Brand's Busch in **Bielefeld**.

As this is a Topic Workshop, the costs for transport, lodging and meals will be covered by the SPP.

The Reproducible Coding Workshop is aimed mainly at PhD students and early postdocs (but really any interested SPP member is welcome to join). The planned syllabus covers the topics **Best Practices for Reproducible Scripting**, **Version Control Basics**, **Project Structure**, **Workflow Management** and the usage of **Containerization**.

We are going to talk about reproducibility of projects at different scales, starting from a simple small R analysis to more complex projects. Examples in the workshop are mostly going to focus on R and **bash**, but they should translate well to **python** or **julia** too. Tools that are going to be introduced include: **git**, **snakemake**, **conda** and **apptainer**. The workshop is designed to be 'hands on', and to provide participants with examples and templates that they later can build on.

The **deadline for the registration** is the **2025-02-28**, and the maximum capacity of the workshop is going to be **30 participants**.

In case the number of registrations exceeds the available slots, we might need to use a lottery system so assign slots. Therefore, you will receive a confirmation for your registration (or notification) in the first week of March.

1. OUTLINE

The workshop is divided into five sessions:

- **Day 1, morning:** Intro reproducibility, open software and open data, reproducible scripts
- **Day 1, afternoon:** Version control using **git**, code repositories at github and zenodo
- **Day 2, morning:** Project structure, overlap of git repositories, Rstudio projects and workflows
- **Day 2, afternoon:** Workflow management using **snakemake** or **nextflow**
- **Day 3, morning:** Capturing the working environment with **conda** and **apptainer**

Each session is going to contain an introductory briefing (10min), a short presentation (30min), followed by a longer hands-on session (2:30h):

Tentative Daily Schedule

morning	08:30 - 08:40	(10min)	Briefing
	08:40 - 09:20	(40min)	Presentation
	09:20 - 11:50	(2:30h)	Hands-on time
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afternoon	13:00 - 13:10	(10min)	Briefing
	13:10 - 13:50	(40min)	Presentation
	13:50 - 16:20	(2:30h)	Hands-on time, open-ended

2. CODING ENVIRONMENT

To ease the setup of the workshop, the coding will happen on the [deNBI cloud](#), allowing all participants access to the same computing environment for the workshop. So, while the participants will need to bring a laptop to access deNBI, no software need to be installed prior to the workshop. In preparation for the workshop, participants will need to [create an account with deNBI](#) however (instructions are provided upon registration). Please note that while the workshop will be working on deNBI, only *open access* software will be used, so the concepts and templates are designed to work on any computing setup. (*That is, the participants should be able to apply/use anything that is covered on their own laptops afterwards.*)

Registration for the Workshop

Note that the workshop is limited to 30 participants.

To register please send an email with the subject line '*registration for reproducible coding workshop*' to polar-reproducible-codeing@posteo.net